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<110> Stanton, Jr, Vincent P.

<120> METHOD FOR GENETIC ANALYSIS OF APOE DNA
AND USES THEREOF

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<140> ~~09/967,013~~ 09/697,013

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<150> 60/206,613

<151> 2000-05-23

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<210> 6

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 6

caccgcttgc cccagaatg gaggaggggtg tctgtattac tgggcgaggt gtcct

55

<210> 7

<211> 55
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 7
 aggacacctc gccagtaat acagacaccc tctccattc tgggggcaag cggtg 55

<210> 8
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 8
 gtctgtacgc gtaggtaaga ccccgcttc 29

<210> 9
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 9
 cttgccccca gaatggatgc gcatgtctgt attactgggc gaggtgtcct 50

<210> 10
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 10
 aggacacctc gccagtaat acagacatgc gcatccattc tgggggcaag 50

<210> 11
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 11
 nnnnnggatg nnnnnnnnnn nnnnnnnnnn 30

<210> 12
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 12
 nnnnnnnnnn nnnnnnnnnn cagccnnnnn

30

<210> 13
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 13
 nnnnnntgcg cannnnnn

18

<210> 14
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 14
 nnnnnntgcg cannnnnn

18

<210> 15
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 15
 caccgcttgc cccagaatg gaggagggtg tctgtattac tgggcgaggt

50

<210> 16
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 16
 acctcgccca gtaatacaga caccctcctc cattctgggg gcaagcggtg 50

<210> 17
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 17
 gtctacgct aggggtggagg aggtaagacc cccgttc 37

<210> 18
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 18
 cttgccccca gaatggagga ggatgcgcag gtgtctgtat tactgggcca ggt 53

<210> 19
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 19
 acctcgccca gtaatacaga cacctgcgca tctcctcca ttctgggggc aag 53

<210> 20
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 20
 cgcctatggc tggagttgag ctagcaagac caaaaggatt tataaacttc 50

<210> 21
 <211> 50

<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 21
gaagtttata aatccttttg gtcttgctag cgcaactcca gccataggcg 50

<210> 22
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 22
attaggaaa gtcgacgtga cagaacgata gcgttgaggt cggt 44

<210> 23
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 23
tggctggagt tgcgctagca agacgtgcag ctgcaaaagg atttataaac ttc 53

<210> 24
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 24
gaagtttata aatccttttg cagctgcacg tcttgctagc gcaactccag cca 53

<210> 25
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 25
cgccatatggc tggagttgag ctagcaagac caaaaggatt tataaacttc 50

<210> 26
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 26

gaagtttata aatccttttg gtcttgctag cgcaactcca gccataggcg

50

<210> 27

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 27

atttaggtag gtgcacgaaa ccagaacgat cgcgttgagg tcggt

45

<210> 28

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 28

cgcttatggc tggagttgag ctagcaagac cacagctgga tgaaggattt ataaacttc

59

<210> 29

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 29

gaagtttata aatccttcat ccagctgtgg tcttgctagc gcaactccag ccataggcg

59

<210> 30

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 30

cttgcccca gaatggagga ggatgogcag gtgt

34

<210> 31

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 31

acagacacct ggcgcatcctc ctccattctg ggggcaag

38

<210> 32

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 32

cttgccccca gaatggagga ggatgcgcag gtgtctgt

38

<210> 33

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(44)

<223> n = A,T,C or G

<400> 33

nnnnnnnnnn nnnnnnngcan nnnnnntgcnn nnnnnnnnnn nnnn

44

<210> 34

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(44)

<223> n = A,T,C or G

<400> 34

nnnnnnnnnn nnnnnnngcan nnnnnntgcnn nnnnnnnnnn nnnn

44

<210> 35

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 35
nnnnnnnnnn cgannnnnnt gcnnnnnnnn nnnn 34

<210> 36
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 36
nnnnnnnnnn nngcannnnn ntcgnnnnnn nnnn 34

<210> 37
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 37
gtctgtaggc tgaggtggag gaggtaagac ccccgttc 38

<210> 38
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 38
cttgcccca gaatggagga gagtcggatg ggtgtctgta ttactgggag aggt 54

<210> 39
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 39
acctgccca gtaatacaga caccatccg actctctcc attctggggg caag 54

<210> 40
<211> 33
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<213> Artificial Sequence

-1
 <220>
 <223> exemplary motif

 <400> 40
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 <210> 41
 <211> 49
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <400> 41
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 <210> 42
 <211> 49
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <400> 42
 acctgccca gtaatacaga caccatcct cctccattct gggggcaag 49

 <210> 43
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

 <400> 43
 atctggannn nnnnnnnnt cc 22

 <210> 44
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 44
 atctggannn nnnnnnnnt ccagat 26

<210> 45
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 45
 atctggannn nnnnnnnnnt ccagat

26

<210> 46
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 46
 atctggannn nnnnnnnnnt ccggat

26

<210> 47
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 47
 atctggannn nnnnnnnnnt ccagat

26

<210> 48
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 48
 atccggannn nnnnnnnnt cc 22

 <210> 49
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 49
 atccggannn nnnnnnnnt ccagat 26

 <210> 50
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 50
 atctggannn nnnnnnnnt ccggat 26

 <210> 51
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 51
 atccggannn nnnnnnnnt ccggat 26

 <210> 52
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 52
 atcccgannnn nnnnnnnnnnt ccggat

26

<210> 53
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 53
 tagacctnnnn nnnnnnnnnna ggtcta

26

<210> 54
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 54
 tagacctnnnn nnnnnnnnnna ggccta

26

<210> 55
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 55
 taggcctnnnn nnnnnnnnnna ggtcta

26

<210> 56
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 56
taggcctnnn nnnnnnnnna ggccta

26

<210> 57
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 57
acacagactc atgcaactct g

21

<210> 58
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 58
acgcagactc atgcaactct g

21

<210> 59
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 59
actcatgcaa ctctg

15

<210> 60
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 60
actcatgcaa ctctgygttc cacttcggcc aagaa

35

<210> 61
<211> 35
<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 61

ttcttggccg aagtggaacr cagagttgca tgagt

35

<210> 62

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 62

gtggaacaca gagttgcatg agt

23

<210> 63

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 63

gtggaacgca gagttgcatg agt

23

<210> 64

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 64

actcatgcaa ctctgtgttc cac

23

<210> 65

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 65

actcatgcaa ctctgcgttc cac

23

<210> 66

<211> 29

<212> DNA

<213> Artificial Sequence

<220>
 <223> exemplary motif

 <400> 66
 acgcagactc atgcaactct gtgttccac

29

<210> 67
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 67
 gtggaacaca gagttgcatg agtc

24

<210> 68
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 68
 acgcagactc atgcaactct gcgttccac

29

<210> 69
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 69
 gtggaacgca gagttgcatg agtc

24

<210> 70
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 70
 acacagactc atgcaactct gtgttccac

29

<210> 71
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 71
gtggaacaca gagttgcatg agtt

24

<210> 72
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 72
acacagactc atgcaactct gcgttccac

29

<210> 73
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 73
gtggaacgca gagttgcatg agtt

24

<210> 74
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 74
gtggaacaca gagttgcatg ag

22

<210> 75
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 75
gtggaacgca gagttgcatg ag

22

<210> 76
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 76

gcaggcccgg ctggggcggg acatggagga cgtgtgcggc cgcctggtgc agtaccgc 58

<210> 77
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 77
 gcggtactgc accaggcggc cgcacacgtc ctccatgtcc ggcgccagcc gggcctgc 58

<210> 78
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 78
 gtgcagacgc gtagggagta caggcgcggg tcggccc 37

<210> 79
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 79
 ggcgaggtgc aggccatgct cggccagagc accgaggagc tgcgggtgcg cctcgcc 58

<210> 80
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 80
 aggcgaggcg caccgcagc tcctcggtgc tctggccgag catggcctgc acctcgcc 58

<210> 81
 <211> 56
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 81
 ccacctgcgc aagctgcgta agcggctcct ccgcgatgcc gatgacctgc agaagc 56

<210> 82
 <211> 56
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 82
 gcttctgcag gtcacgagca tcgaggagga gccgcttacg cagcttgccg aggtgg 56

<210> 83
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 83
 ggctactgga cgtcttcg 18

<210> 84
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 84
 cccggctggg cgcggacatg ggatgcgcaa ggacgtgtgc ggccgctgg tgcagtac 58

<210> 85
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 85
 gtactgcacc aggcggccgc acacgtcctt gcgcaccca tgtccgcgcc cagccggg 58

<210> 86
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 86
 cgcggcgagg tgcaggccat gtcggccag agcaccgagg agctgcgggt gcgcctcg 58

<210> 87
 <211> 58

<212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 87
 cgaggcgccac ccgcagctcc tcgggtgctct ggccgagcat ggctgcacc tcgccgcg 58

<210> 88
 <211> 59
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 88
 cctccacctg cgcaagctgc gtaagcggct cctccgcgat gccgatgacc tgcagaagc 59

<210> 89
 <211> 59
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 89
 gcttctgcag gtcacggca tcgcggagga gccgcttac cagcttgccg aggtggagg 59

<210> 90
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 90
 cccggctggg cgcggacatg ggatgcgcaa ggacgtgcgc ggccgcctgg tgcagtac 58

<210> 91
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 91
 gtactgcacc aggcggcgc gcaagtcctt ggcacatcca tgtccgcgcc cagccggg 58